GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:785
ANSWERED ON:20.07.2017
Generation of Solar Energy
Siddeshwara Shri Gowdar Mallikarjunappa

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the details of plans made by and being implemented by the Union Government to generate solar energy in various States including Karnataka, State-wise;

(b) whether the Union Government has provided any financial assistance to the State Governments for implementation of these schemes during the last three years and the current year; and

(c) if so, the details thereof and the results achieved therefrom, State-wise?

Answer

THE MINISTER OF STATE FOR POWER, COAL, NEW & RENEWABLE ENERGY AND MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)
(a): The Government has set a target of reaching 100 GW Grid connected solar capacity by 2022 in the country including Karnataka. Year-wise targets for solar power capacity installation are given below:

Year/Category	Rooftop Solar (in MW)	Large Scale Solar Power Projects (in MW)	Total (in MW)
2015-16	200	1,800	2,000
2016-17	4,800	7,200	12,000
2017-18	5,000	10,000	15,000
2018-19	6,000	10,000	16,000
2019-20	7,000	10,000	17,000
2020-21	8,000	9,500	17,500
2021-22	9,000	8,500	17,500
Total	40,000	57,000	97,000*

*3,743 MW commissioned upto 2014-15.
In order to achieve these targets, the Government has launched following schemes:
i. Solar Park Scheme for setting up of over 25 Solar Parks and Ultra Mega Solar Power Projects targeting over 20,000 MW capacity (capacity recently enhanced to 40,000 MW).

ii. Scheme for setting up 1000 MW of Grid-Connected Solar PV Power Projects by the Central Public Sector Undertakings (CPSUs) and other Government of India organisations with VGF.

iii. Scheme for setting up 300 MW of Grid-Connected Solar PV Power Projects by Defence Establishments and Para Military Forces with VGF.

iv. Pilot-cum-demonstration project for development of grid connected solar PV power plants on canal banks and canal tops.

v. Bundling Scheme - 15000 MW grid-connected solar PV power plants through NTPC Ltd./ NVVN.
vi. VGF Scheme for setting up of 2000 MW of Grid Connected Solar PV Power Projects through SECI.

vii. VGF Scheme for setting up of 5000 MW of Grid Connected Solar PV Power Projects through SECI.

viii. Installation of Grid Connected Solar Rooftop Power Plants.

(b)&(c): For implementation of these schemes and promotion of solar energy in the country, various fiscal and promotional incentives such as capital subsidy, generation based incentive, accelerated depreciation, viability gap funding (VGF), financing solar rooftop systems as part of home loan, concessional custom duty, preferential tariff for power generation from renewables, and Foreign Direct Investment up to 100 per cent under the automatic route etc. are available. The Goods and Services Tax introduced recently, has been kept at lower level of 5% to promote the solar sector. The details of financial assistance provided for installation of grid connected solar power during the last three years and current year are given below:

Year	Funds released (Rs. Crore)
2014-15	391.50
2015-16	1715.99
2016-17	1992.32
2017-18 (as on 30.6.2017)	264.31

As a result of these efforts, there has been a capacity addition of 13115 MW in grid connected solar power as on 30.6.2017 in the country. The State-wise details are given at Annexure.

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